



Antea USA, Inc.  
5910 Rice Creek Parkway, Suite 100  
St. Paul, MN 55126 USA  
[www.anteagroup.com](http://www.anteagroup.com)

April 2, 2014

First Baptist Church

[REDACTED]  
1756 West State Route 113  
Kankakee, IL 60901

**RE: Well Water Sampling Event –  
Laboratory Test Results**

Dear Mr. Albers:

On behalf of Wood River Pipe Lines LLC (Wood River), Antea®Group would like to thank for your cooperation in allowing Antea Group to collect water samples from the water supply well at your residence. The water samples were collected in response to the pipeline spill site near Route 113, Kankakee, Illinois in order to confirm that petroleum products have not impacted your well water. Samples were collected from the well located on your property on March 15, 18, 20, 24, and 26, 2014.

Enclosed for your information are the test results from your well water. We are pleased to report that no benzene, toluene, ethylbenzene or xylenes (collectively, BTEX) or other common petroleum constituents were found in your well water and that the test results meet Illinois Environmental Protection Agency (IEPA) Class I Groundwater Standards for drinking water.

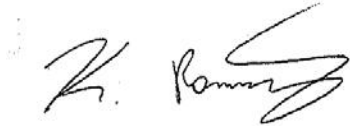
The presence of chloroform in your well is not associated with petroleum products. However, the chloroform concentration is above the IEPA drinking water standard. Shortly, the Illinois Department of Public Health (IDPH) will send you a letter providing toxicological interpretation of your well sampling results, in order to explain whether or not there might be any health implications from these results and provide any recommendations for further testing of your water well.

If you desire further explanation of these results, or if you have additional questions regarding the water testing procedures, please contact Dr. Tom Baughman at the Illinois Department of Public Health at (630) 293-6800 or Mike Norris, Wood River District Right-of-Way Agent at (219) 313-5321. With your permission, we may periodically request to re-sample your well in the future. We thank you for your participation in the well water sampling program.

If you would prefer results being sent to you via email versus Fed Ex, please contact Beth Helgeson of Antea Group at (800) 477-7411.



Sincerely,

A handwritten signature in black ink, appearing to read "K. Rannaoja", with a stylized flourish at the end.

Kendall Rannaoja  
Senior Project Manager  
kendall.rannaoja@anteagroup.com  
Antea Group

Enclosures

cc: Jeff W. Brudereck, Wood River, Remediation Manager  
Michael R. Norris, Wood River - District Right-of-Way Agent  
Craig Thomas, USEPA Region 5  
Mark Retzlaff, IEPA  
John Bevis, Kankakee County Health Department  
Bonnie Schaafsma, Kankakee County Health Department  
Dr. Tom Baughman, Illinois Department of Public Health

RESIDENTIAL GROUNDWATER ANALYTICAL DATA - VOC  
ROUTE 113 RELEASE  
KANKAKEE, ILLINOIS

Sample I.D.	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylene (Total) (ug/L)	Methyl-tert- butyl ether (ug/L)	Naphthalene (ug/L)	1,2,4- Trimethylbenzene (ug/L)	1,3,5- Trimethylbenzene (ug/L)
<b>IEPA Class I</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>70</b>	<b>140</b>	<b>NGV</b>	<b>NGV</b>
<b>USEPA MCL</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>10000</b>	<b>NGV</b>	<b>NGV</b>	<b>NGV</b>	<b>NGV</b>
1756 Route 113	3/15/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1756 Route 113	3/18/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1756 Route 113	3/20/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1756 Route 113	3/24/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1756 Route 113	3/26/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

**Analytical Notes:**

These compounds represent eight (8) of the most common petroleum product constituents. For the full list of compounds that were analyzed, please consult the attached laboratory data package.

VOC = Volatile Organic Compounds

IEPA = Illinois Environmental Protection Agency

Groundwater Quality Standards for Class I: Potable Resource Groundwater

USEPA = United States Environmental Protection Agency

MCL = Maximum Contaminant Level

ug/l= micrograms per liter

< = Not detected at or above indicated laboratory reporting limit

NGV = No given value

NA = Not Analyzed

Results in bold exceed applicable action limits





**First  
Environmental  
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

March 20, 2014

Ms. Amy Wrigley  
**ANTEA USA**  
1323 Bond Street  
Suite 111  
Naperville, IL 60563

Project ID: Route 113 Release  
First Environmental File ID: 14-1179  
Date Received: March 16, 2014

Dear Ms. Amy Wrigley:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Neal Cleghorn  
Project Manager



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**Case Narrative**

**ANTEA USA**

**Lab File ID: 14-1179**

**Project ID: Route 113 Release**

**Date Received: March 16, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1179-004	1756 W Route 113	03/15/14 17:15

**Sample Batch Comments:**

Sample acceptance criteria were met.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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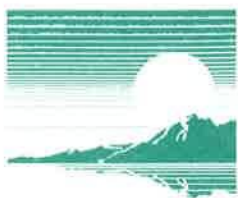
IL ELAP / NELAC Accreditation # 100292

**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1179-004

**Date Collected:** 03/15/14  
**Time Collected:** 17:15  
**Date Received:** 03/16/14  
**Date Reported:** 03/18/14

Analyte	Result	R.L.	Units	Flags
<b>Volatile Organic Compounds</b>		<b>Method: 524.2</b>		
Analysis Date: 03/16/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.5	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1179-004

**Date Collected:** 03/15/14  
**Time Collected:** 17:15  
**Date Received:** 03/16/14  
**Date Reported:** 03/18/14

Analyte	Result	R.L.	Units	Flags
<b>Volatile Organic Compounds</b>		<b>Method: 524.2</b>		
Analysis Date: 03/16/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

Polynuclear Aromatic Hydrocarbons		Method: 625	Preparation Method 625W	
Analysis Date: 03/17/14			Preparation Date: 03/17/14	
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	





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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1179-004

**Date Collected:** 03/15/14  
**Time Collected:** 17:15  
**Date Received:** 03/16/14  
**Date Reported:** 03/18/14

Analyte	Result	R.L.	Units	Flags
<b>Polynuclear Aromatic Hydrocarbons</b>		<b>Method: 625</b>		
Analysis Date: 03/17/14		<b>Preparation Method 625W</b>		
		Preparation Date: 03/17/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	



1

Company Name: Antec Group  
Street Address: 1323 Blvd St 111  
City: Naperville State: IL Zip: 60563  
Phone: 1-800-477-7411 Fax:   
Send Report To: Kendall, Kenneth (e) catagrac@comcast.net  
Sampled By: D. Giff Via: Fax ☐ e-mail ☒

## Analyses

## Lab I.D.

14-1179-004

Relinquished By: 611172 Date/Time 3/16/14 15:15 Received By: [Signature] Date/Time 16:45 / 03/16/14  
Relinquished By: \_\_\_\_\_ Date/Time \_\_\_\_\_ Received By: [Signature] Date/Time 3/16/14 16:45



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March 20, 2014

Mr. Kendall Rannaoja  
**ANTEA USA**  
1323 Bond Street  
Suite 111  
Naperville, IL 60563

Project ID: Route 113 Release  
First Environmental File ID: 14-1237  
Date Received: March 18, 2014

Dear Mr. Kendall Rannaoja:

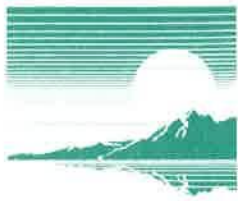
The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Neal Cleghorn  
Project Manager



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**Case Narrative**

**ANTEA USA**

**Lab File ID: 14-1237**

**Project ID: Route 113 Release**

**Date Received: March 18, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1237-006	1756 W Route 113	03/18/14 11:07

**Sample Batch Comments:**

Sample acceptance criteria were met.

---

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1237-006

**Date Collected:** 03/18/14  
**Time Collected:** 11:07  
**Date Received:** 03/18/14  
**Date Reported:** 03/20/14

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 524.2		
Analysis Date: 03/18/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	1.4	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1237-006

**Date Collected:** 03/18/14  
**Time Collected:** 11:07  
**Date Received:** 03/18/14  
**Date Reported:** 03/20/14

Analyte	Result	R.L.	Units	Flags
<b>Volatile Organic Compounds</b>		<b>Method: 524.2</b>		
Analysis Date: 03/18/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

**Polynuclear Aromatic Hydrocarbons**

**Method: 625**

**Preparation Method 625W**

Analysis Date: 03/19/14

Preparation Date: 03/19/14

Acenaphthene	< 10	10	ug/L
Acenaphthylene	< 10	10	ug/L
Anthracene	< 5	5	ug/L
Benzo(a)anthracene	< 0.13	0.13	ug/L
Benzo(a)pyrene	< 0.2	0.2	ug/L
Benzo(b)fluoranthene	< 0.18	0.18	ug/L
Benzo(k)fluoranthene	< 0.17	0.17	ug/L
Benzo(ghi)perylene	< 0.4	0.4	ug/L
Chrysene	< 1.5	1.5	ug/L
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 W Route 113  
**Sample No:** 14-1237-006

**Date Collected:** 03/18/14  
**Time Collected:** 11:07  
**Date Received:** 03/18/14  
**Date Reported:** 03/20/14

Analyte	Result	R.L.	Units	Flags
<b>Polynuclear Aromatic Hydrocarbons</b>		<b>Method: 625</b>		
Analysis Date: 03/19/14		<b>Preparation Method 625W</b>		
		Preparation Date: 03/19/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	



**First  
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First Environmental Laboratories  
1600 Shore Road, Suite D  
Naperville, Illinois 60563  
Phone: (630) 778-1200 • Fax: (630) 778-1233  
E-mail: [firstinfo@firstenv.com](mailto:firstinfo@firstenv.com)  
IEPA Certification #100292

## CHAIN OF CUSTODY RECORD

Page 1 of 1 pages

Company Name: Antea Group  
Street Address: 1323 Bond St 111  
City: Naperville State: IL Zip: 60563  
Phone: 1-800-477-7411 Fax: \_\_\_\_\_  
Send Report To: Kendall.Cannon@antegrup.com Via Fax ☐  
Sampled By: K. Angel N. Fuenten e-mail: ☒ Kendall.Cannon@antegrup.com

Project I.D.: Route 113 Release  
P.O. #: \_\_\_\_\_

Matrix Codes: S = Soil W = Water O = Other

Date/Time Taken Sample Description

3/18/17 11:07 AM 1756 W. Route 113

Matrix

W

3

Comments

Lab I.D.

14-1237-006

VOC (504)  
PNA (604)

Analyses

### FOR LAB USE ONLY:

Cooler Temperature: 0-1-9°C Yes ☒ No ☐ °C  
Received within 6 hrs. of collection: \_\_\_\_\_  
Ice Present: Yes ☐ No ☐

Sample Refrigerated: Yes ☐ No ☒ °C  
Refrigerator Temperature: \_\_\_\_\_ °C  
5035 Vials Frozen: Yes ☐ No ☐  
Freezer Temperature: \_\_\_\_\_ °C

Preservation Requirements Met: ☐ Yes ☒ No  
Need to meet: IL TACO ☐ IN, RISC ☐

Notes and Special Instructions: \_\_\_\_\_

Relinquished By: [Signature] Date/Time 3/18/17 11:15 Received By: [Signature] Date/Time 3/18/17 14:15  
Relinquished By: [Signature] Date/Time 3/18/17 16:17 Received By: [Signature] Date/Time 3/18/17 16:17  
Rev. 6/12





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March 22, 2014

Ms. Amy Wrigley  
**ANTEA USA**  
1323 Bond Street  
Suite 111  
Naperville, IL 60563

Project ID: Route 113 Release  
First Environmental File ID: 14-1309  
Date Received: March 20, 2014

Dear Ms. Amy Wrigley:

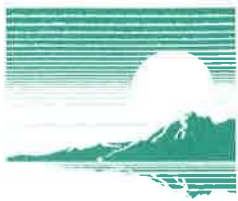
The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Neal Cleghorn  
Project Manager



## Case Narrative

**ANTEA USA**

Lab File ID: **14-1309**

Project ID: **Route 113 Release**

Date Received: **March 20, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1309-001	1756 Route 113	03/20/14 11:30

### Sample Batch Comments:

Sample acceptance criteria were met.

---

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1309-001

**Date Collected:** 03/20/14  
**Time Collected:** 11:30  
**Date Received:** 03/20/14  
**Date Reported:** 03/22/14

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 524.2		
Analysis Date: 03/20/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	< 0.5	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1309-001

**Date Collected:** 03/20/14  
**Time Collected:** 11:30  
**Date Received:** 03/20/14  
**Date Reported:** 03/22/14

Analyte	Result	R.L.	Units	Flags
<b>Volatile Organic Compounds</b>		<b>Method: 524.2</b>		
Analysis Date: 03/20/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

**Polynuclear Aromatic Hydrocarbons**

**Method: 625**

Analysis Date: 03/21/14

**Preparation Method 625W**

Preparation Date: 03/21/14

Acenaphthene	< 10	10	ug/L
Acenaphthylene	< 10	10	ug/L
Anthracene	< 5	5	ug/L
Benzo(a)anthracene	< 0.13	0.13	ug/L
Benzo(a)pyrene	< 0.2	0.2	ug/L
Benzo(b)fluoranthene	< 0.18	0.18	ug/L
Benzo(k)fluoranthene	< 0.17	0.17	ug/L
Benzo(ghi)perylene	< 0.4	0.4	ug/L
Chrysene	< 1.5	1.5	ug/L
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1309-001

**Date Collected:** 03/20/14  
**Time Collected:** 11:30  
**Date Received:** 03/20/14  
**Date Reported:** 03/22/14

Analyte	Result	R.L.	Units	Flags
<b>Polynuclear Aromatic Hydrocarbons</b>		<b>Method: 625</b>		
Analysis Date: 03/21/14		<b>Preparation Method 625W</b>		
		Preparation Date: 03/21/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	





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March 26, 2014

Mr. Kendall Rannaoja  
**ANTEA USA**  
1323 Bond Street  
Suite 111  
Naperville, IL 60563

Project ID: Route 113 Release  
First Environmental File ID: 14-1388  
Date Received: March 24, 2014

Dear Mr. Kendall Rannaoja:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Neal Cleghorn  
Project Manager



## Case Narrative

**ANTEA USA**

Lab File ID: **14-1388**

Project ID: **Route 113 Release**

Date Received: **March 24, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1388-004	1756 Route 113	03/24/14 09:22

### Sample Batch Comments:

Sample acceptance criteria were met.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.





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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1388-004

**Date Collected:** 03/24/14  
**Time Collected:** 09:22  
**Date Received:** 03/24/14  
**Date Reported:** 03/26/14

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 524.2		
Analysis Date: 03/24/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	1.0	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1388-004

**Date Collected:** 03/24/14  
**Time Collected:** 09:22  
**Date Received:** 03/24/14  
**Date Reported:** 03/26/14

Analyte	Result	R.L.	Units	Flags
<b>Volatile Organic Compounds</b>		<b>Method: 524.2</b>		
Analysis Date: 03/24/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

**Polynuclear Aromatic Hydrocarbons**      **Method: 625**  
Analysis Date: 03/25/14

**Preparation Method 625W**  
Preparation Date: 03/25/14

Acenaphthene	< 10	10	ug/L
Acenaphthylene	< 10	10	ug/L
Anthracene	< 5	5	ug/L
Benzo(a)anthracene	< 0.13	0.13	ug/L
Benzo(a)pyrene	< 0.2	0.2	ug/L
Benzo(b)fluoranthene	< 0.18	0.18	ug/L
Benzo(k)fluoranthene	< 0.17	0.17	ug/L
Benzo(ghi)perylene	< 0.4	0.4	ug/L
Chrysene	< 1.5	1.5	ug/L
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1388-004

**Date Collected:** 03/24/14  
**Time Collected:** 09:22  
**Date Received:** 03/24/14  
**Date Reported:** 03/26/14

Analyte	Result	R.L.	Units	Flags
<b>Polynuclear Aromatic Hydrocarbons</b>		<b>Method: 625</b>		
Analysis Date: 03/25/14		<b>Preparation Method 625W</b>		
		Preparation Date: 03/25/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

## CHAIN OF CUSTODY RECORD

**First Environmental Laboratories**  
1600 Shore Road, Suite D  
Naperville, Illinois 60563  
Phone: (630) 778-1200 • Fax: (630) 778-1233  
E-mail: [frstinfo@frstenv.com](mailto:frstinfo@frstenv.com)  
IEPA Certification #100292

Company Name: Antea Group  
Street Address: 1323 Bond Street, Suite 111  
City: Naperville  
State: IL Zip: 60563  
Phone: 630-477-7411 Fax:  
Send Report To: amy.wright@antearp.com Via: Fax ☐  
Sampled By: Taylor Pierce e-mail ☒  
Antea Group  
amy.wright@antearp.com

Project ID: Route 113 Release  
P.O. #: \_\_\_\_\_

**Matrix Codes: S = Soil W = Water O = Other**

[illegible]

**FOR LAB USE ONLY:**

Cooler Temperature: 0.1-6°C Yes ☒ No ☐  
Received within 6 hrs. of collection: \_\_\_\_\_  
Ice Present: Yes ☐ No ☐

Sample Refrigerated: Yes\_\_ No\_\_  
Refrigerator Temperature: \_\_\_\_\_°C  
5035 Vials Frozen: Yes\_\_ No\_\_  
Freezer Temperature: \_\_\_\_\_°C

Preservation Requirements Met: ☒ Yes ☐ No

Need to meet: IL, TACO ☐ IN, RISC ☐

### Notes and Special Instructions:

Relinquished By: Frank Price Date/Time 3/24/14 1330 Received By: Cindy Meldrum Date/Time 3/24/14 1430  
Relinquished By: Cathy Meldrum Date/Time 3/24/14 1640 Received By: Pa G Date/Time 3/24/14 1640



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March 28, 2014

Ms. Amy Wrigley  
**ANTEA USA**  
1323 Bond Street  
Suite 111  
Naperville, IL 60563

Project ID: Illinois Route 113 Release  
First Environmental File ID: 14-1438  
Date Received: March 26, 2014

Dear Ms. Amy Wrigley:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,



Stan Zaworski  
Project Manager



**First  
Environmental  
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292  
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

**Case Narrative**

**ANTEA USA**

Lab File ID: **14-1438**

Project ID: **Illinois Route 113 Release**

Date Received: **March 26, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1438-008	1756 Route 113	03/26/14 10:20

**Sample Batch Comments:**

Sample acceptance criteria were met.

---

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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IL ELAP / NELAC Accreditation # 100292

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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Illinois Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1438-008

**Date Collected:** 03/26/14  
**Time Collected:** 10:20  
**Date Received:** 03/26/14  
**Date Reported:** 03/28/14

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 524.2		
Analysis Date: 03/26/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	0.8	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Illinois Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1438-008

**Date Collected:** 03/26/14  
**Time Collected:** 10:20  
**Date Received:** 03/26/14  
**Date Reported:** 03/28/14

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 524.2		
Analysis Date: 03/26/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

**Polynuclear Aromatic Hydrocarbons**

**Method: 625**

**Preparation Method 625W**

Analysis Date: 03/27/14

Preparation Date: 03/27/14

Acenaphthene	< 10	10	ug/L
Acenaphthylene	< 10	10	ug/L
Anthracene	< 5	5	ug/L
Benzo(a)anthracene	< 0.13	0.13	ug/L
Benzo(a)pyrene	< 0.2	0.2	ug/L
Benzo(b)fluoranthene	< 0.18	0.18	ug/L
Benzo(k)fluoranthene	< 0.17	0.17	ug/L
Benzo(ghi)perylene	< 0.4	0.4	ug/L
Chrysene	< 1.5	1.5	ug/L
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L





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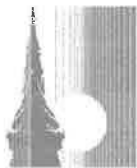
**Analytical Report**

**Client:** ANTEA USA  
**Project ID:** Illinois Route 113 Release  
**Sample ID:** 1756 Route 113  
**Sample No:** 14-1438-008

**Date Collected:** 03/26/14  
**Time Collected:** 10:20  
**Date Received:** 03/26/14  
**Date Reported:** 03/28/14

Analyte	Result	R.L.	Units	Flags
<b>Polynuclear Aromatic Hydrocarbons</b>		<b>Method: 625</b>		
Analysis Date: 03/27/14		<b>Preparation Method 625W</b>		
		Preparation Date: 03/27/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

## CHAIN OF CUSTODY RECORD



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**IEPA Accreditation #100292**

Company Name: Antea Group			
Street Address: 1323 Bond Street, Suite 111			
City: Naperville		State: IL	Zip: 60563
Phone: 800-477-7411	Fax:	e-Mail: kendall.rannaaja@anteagroup.com	
Send Report To: amy.wrigley@anteagroup.com		Via Fax: <input type="checkbox"/>	Via e-Mail: <input checked="" type="checkbox"/>
Sampled By: Peter Ritzler			

Project ID: Illinois Route 113 Release  
P.O. #                     

[illegible]

### Notes and Special Instructions:

~~1105~~ associated w/ this coc.

Relinquished By: <i>DEB</i>	Date/Time: <i>3-26-14/1615</i>	Received By: <i>MR</i>	Date/Time: <i>3-26-14/1615</i>
Relinquished By:	Date/Time:	Received By:	Date/Time: